(19) World Intellectual Property Organization International Bureau



1800 KIR BERT KERBER KIR BERT KIRE BERGE KIREB KIREB KERBER KERBER KIREB KIREB BERGER BERGER DE KERBERGER BERG

(43) International Publication Date 15 January 2004 (15.01.2004)

PCT

(10) International Publication Number WO 2004/004976 A3

(51) International Patent Classification7:

B25B 1/00

(21) International Application Number:

PCT/US2003/021197

(22) International Filing Date:

7 July 2003 (07.07.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/395,800 60/475,132 9 July 2002 (09.07.2002) US 2 June 2003 (02.06.2003) US

(71) Applicant (for all designated States except US): IRWIN INDUSTRIAL TOOL COMPANY [US/US]; 29 E. Stephenson Street, Freeport, IL 61032 (US).

(72) Inventors; and

- (75) Inventors/Applicants (for US only): FULLER, Anthony, B. [US/US]; 1009 Pioneer Drive, Beatrice, NB 68310 (US). SPRINGER, Scott, Daniel [US/US]; 18 North Grant Street, Westmont, IL 60559 (US). CHERVENAK, Thomas, M. [US/US]; 1515 S. 3rd Street, Beatrice, NE 68310 (US).
- (74) Agent: FREEMAN, John; Brinks Hofer Gilson & Lione, PO Box 10087, Chicago, IL 60610 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

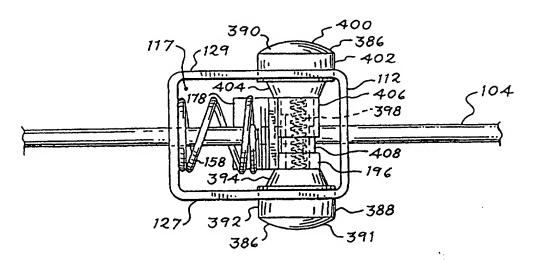
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 1 April 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: BAR CLAMP WITH SIDE-ACTIVATED BRAKING LEVER



(57) Abstract: A clamp that includes a first clamping jaw, a support element to which the first clamping jaw is attached and a clamp body having a first slot through which the support element passes along a first direction and an opening that faces in a direction that is substantially perpendicular to the first direction. A handle grip attached to the clamp body, a braking lever and a brake actuator that contacts the braking lever and includes an engagement element that extends through the opening.

2004/004976 A3 IIIII